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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO		
10/812,095 03/30/2004		Masashi Kitabayashi	110859.01	3098		
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	A, VA 22320		ART UNIT	PAPER NUMBER		
			2877			

DATE MAILED: 10/07/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

		Applicati	plication No. Applicant(s)				
		10/812,0	95	KITABAYASHI ET AL.			
	Office Action Summary	Examine	r	Art Unit	201		
		Amanda l		2877	170		
 Period for	The MAILING DATE of this communic Reply	ation appears on th	e cover sheet with the	e correspondence ad	dress		
A SHOLTHE M/ - Extension after SU - If the pecing of the p	RTENED STATUTORY PERIOD FO ALLING DATE OF THIS COMMUNIC ons of time may be available under the provisions of (6) MONTHS from the mailing date of this communic fired for reply specified above is less than thirty (30) bried for reply is specified above, the maximum state to reply within the set or extended period for reply by received by the Office later than three months after patent term adjustment. See 37 CFR 1.704(b).	CATION. f 37 CFR 1.136(a). In no evinication. days, a reply within the stautory period will apply and will, by statute, cause the app	rent, however, may a reply be tutory minimum of thirty (30) o vill expire SIX (6) MONTHS fro blication to become ABANDO	timely filed lays will be considered time om the mailing date of this o			
Status							
2a)□ T 3)□ S	esponsive to communication(s) filed his action is FINAL . 2 ince this application is in condition for seed in accordance with the practic	o)⊠ This action is r or allowance except	non-final. t for formal matters, p		e merits is		
Dispositio	n of Claims			•			
5)□ C 6)⊠ C 7)□ C	laim(s) 1-7 is/are pending in the apparation of the above claim(s) is/are laim(s) is/are allowed. laim(s) 1-7 is/are rejected. laim(s) is/are objected to. laim(s) are subject to restrict	e withdrawn from co					
Application	n Papers						
10)□ TI A R	ne specification is objected to by the ne drawing(s) filed on is/are: pplicant may not request that any object eplacement drawing sheet(s) including the oath or declaration is objected to	a) accepted or b ion to the drawing(s) he correction is requi	be held in abeyance. Some	See 37 CFR 1.85(a). objected to. See 37 C	• •		
Priority un	der 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) ■ All b) ■ Some * c) ■ None of: 1. ■ Certified copies of the priority documents have been received. 2. ■ Certified copies of the priority documents have been received in Application No. 09/976,142. 3. ■ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.							
Attachment(s			∆ □ 1	(DTO 112)			
2) Notice of States (3) Information	of References Cited (PTO-892) of Draftsperson's Patent Drawing Review (PT tion Disclosure Statement(s) (PTO-1449 or P lo(s)/Mail Date		4) Interview Summa Paper No(s)/Mail 5) Notice of Informa 6) Other:		O-152)		

Application/Control Number: 10/812,095

Art Unit: 2877

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claim 1 rejected under 35 U.S.C. 103(a) as being unpatentable over applicant's own admission of prior art in view of Ooi et al (4,554,587).

Applicant's own admission of prior art on line 29 of page 1 thru line 4 of page 2 of the specification show of a lens' evolution apparatus comprising: an evaluation sheet with a test pattern wherein light is irradiation from a light source onto the test pattern to the lens, the image light is then projected on a screen and is detected by an image import device using an image sensor. The image is image-processed by a computer to evaluation the lens.

Applicant's own admission of prior art does not teach of the image sensor having a light adjuster.

Ooi et al (4,554,587) teach of an image sensor with a light adjuster.

At the time of the invention, it would have been obvious to one of ordinary skill in the art to provide a light adjuster such as a diaphragm as taught by Ooi et al for the image sensor taught by Kitabayashi et al to adjust the amount of light incident on the image sensor to obtain good image quality as specifically taught by Ooi et al.

Claim 4-6 rejected under 35 U.S.C. 103(a) as being unpatentable over applicant's own admission of prior art in view of Ooi et al as applied to claim 1 above, and further in view of Sprague (3,988,068).

Applicant's own admission of prior art does not teach of a peripheral photo detector.

Sprague et al teach of a peripheral photo detector.

At the time of the invention, it would have been obvious to one of ordinary skill in the art to implement a peripheral photo detector as taught by Sprague et al in order to test the peripheral portions of the lens in order to detect defects of the peripheral portions of the lens which would provide a more accurate and versatile apparatus by providing information on the center of the lens and the outer peripheral of the lens.

Double Patenting

The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper timewise extension of the "right to exclude" granted by a patent and to prevent possible harassment by multiple assignees. See *In re Goodman*, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); *In re Longi*, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); *In re Van Ornum*, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970);and, *In re Thorington*, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) may be used to overcome an actual or provisional rejection based on a nonstatutory double patenting ground provided the conflicting application or patent is shown to be commonly owned with this application. See 37 CFR 1.130(b).

Effective January 1, 1994, a registered attorney or agent of record may sign a terminal disclaimer. A terminal disclaimer signed by the assignee must fully comply with 37 CFR 3.73(b).

Claims 1-7 rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claims 1-2 and 5-7 respectively of U.S.

Patent No. 6,760,097 in view of Ooi et al (4,554,587). The claims in U.S. Patent No. 6,760,097 show of a lens evaluation method, comprising the steps of: irradiating an image light including a resolution-measuring test pattern onto a screen through a lens to display an image of the resolution-measuring test pattern on the screen; detecting a luminance of the image of the displayed test pattern by an image import device using an image sensor, a resolution evaluation value being calculated based on the detected luminance value; acquiring a background luminance value of a background part without the test pattern being formed by the image import device using the image sensor; acquiring a maximum luminance value in the test pattern image by the image import device using the image sensor; acquiring a minimum luminance value in the test pattern image by the image import device using the image sensor; and calculating the resolution evaluation value based on the background luminance value, the maximum luminance value and the minimum luminance value obtained through the respective steps, wherein the resolution evaluation value (MTF) calculated by the evaluation value calculating step is represented as

MTF=(Imax-Imin)/(Io*2-Imax-Imin)

where the background luminance value is represented as lo, the maximum luminance value is represented as Imax and the minimum luminance value is represented as Imin. The claims further show steps of: calculating an input level value based on the background luminance value, the maximum luminance value and the minimum luminance value, wherein the background luminance value acquiring step.

the maximum luminance value acquiring step, the minimum luminance value acquiring step and the input level value calculating step are conducted at a plurality of positions in the projected image; acquiring an illumination at a predetermined flint position of the projected image where the background luminance value, acquiring step, the maximum luminance value acquiring step, the minimum luminance value acquiring step and the input level value calculating step are conducted; and calculating an in-plane illumination of the entire projected image by calculating the illumination of a second position other than the first position based on the input level value and illumination at the first position and the input level value at the second position.

The differences between the present claims and the claims in U.S. Patent No. 6,760,09 are that the present claims are apparatus claims and the claims in the U.S. Patent No. 6,760,097 are method claims and the claims in U.S. Patent No. 6,760,097 do not teach of the image sensor having a light adjuster.

At the time of the invention, one of ordinary skill in the art would be able to derive the structural limitations of the apparatus claims from the method claim.

With reference to the light adjuster, Ooi et al (4,554,587) teach of an image sensor with a light adjuster.

At the time of the invention, it would have been obvious to one of ordinary skill in the art to provide a light adjuster such as a diaphragm as taught by Ooi et al for the image sensor taught by Kitabayashi et al to adjust the amount of light incident on the image sensor to obtain good image quality as specifically taught by Ooi et al.

Allowable Subject Matter

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Claims 2-3 and 7 objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims and upon a filing of a terminal disclaimer to overcome the double patenting rejection.

As to claims 2-3, the prior of record, taken alone or in combination, fails to disclose or render obvious a lens evaluating apparatus comprising a resolution evaluation value calculator that arithmetically operates the resolution evaluation value based on a background luminance value of a part of the check sheet having no test pattern formed thereon, a maximum luminance value and a minimum luminance value in the test pattern image, in combination with the rest of the limitations of claim 1.

As to claim 7, the prior of record, taken alone or in combination, fails to disclose or render obvious a lens evaluating apparatus comprising a resolution evaluation value calculator that arithmetically operates an input level value based on a background luminance, a maximum luminance value and a minimum luminance value in the test pattern image, in combination with the rest of the limitations of claim 1.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Amanda H Merlino whose telephone number is 571-272-2421. The examiner can normally be reached on Monday and Thursday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gregory J Toatley, Jr. can be reached on 571-272-2800 ext 77. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Amanda H Merlino Patent Examiner Art Unit 2877 September 9, 2004

Supervisory Pated Examiner